0018

Outgoing
C0150032
OK

OGMCOAL - Follow-up to call with Nalco

From: Kevin Lundmark
To: Dave Shaver
Date: 2/16/2010 4:04 PM
Subject: Follow-up to call with Nalco
CC: OGMCOAL; Steve Christensen; William B - Mining Schnieders Jr; btran@n...

Dave,
I wanted to follow-up with you to make sure that Nalco has provided you with the additional information we discussed during last week's call. I recall that Nalco was going to send you a list of analyses that would help them select good candidate treatment products to use in bench-scale testing at the Crandall site. Ideally, this list would include typical whole water analysis parameters, plus any special parameters they need for their evaluation. Whole water analysis parameters include:

Silica
Iron (total, dissolved & ferrous)
Manganese (total & dissolved)
Aluminum (total & dissolved)
Calcium (dissolved)
Magnesium (dissolved)
Potassium (dissolved)
Sodium (dissolved)
Carbonate
Bicarbonate
Sulfate
Chloride
Fluoride
Nitrate
Total Dissolved Solids
Specific Conductance
Dissolved Oxygen
Temperature
pH
Acidity
Alkalinity
Hardness

Samples for analysis should be collected pre- and post-Maelstrom treatment. Please let us know what the schedule is for collecting these samples.

Additional information was also to be provided by Nalco regarding analysis for residual flocculant in the treated water. The testing method described during the call was a titration with a reporting limit of 20 ppb. Since the analysis for residual flocculant in treated water was agreed to as part of the trial treatment study, it would be helpful if the information provided by Nalco could be forwarded to the group (UT DOGM, USFS, UT DWQ). Relevant information includes the analytical method reference (e.g., modified EPA, ASTM, or SM method number), holding time, sample volume, containers, preservative, reporting limit and interferences. Nalco should also clarify whether the analysis is for the entire product mixture (NALCLEAR 7763) or for a specific component, such as the polyacrylamide polymer.

Thanks,
Kevin

Kevin Lundmark
Environmental Scientist II
Division of Oil, Gas & Mining
kevinlundmark@utah.gov
(801)538-5352